BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to drain and construction of Culverts at Singapura village cross roads and surrounding area in ward No 11(Kuvempunagara) in Vidyaranyapura Sub Division.**

	011-17-000003	P-3167	Estimate Cost:					2800000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2014-16**	Cum							
	Singapura Circle to Abigere Main Road for new Drain		1	233.00	1.00	1.20	279.60		
	Desilting of Existin SSM Drain		1	120.00	0.60	0.60	43.20		
							322.80	192.79	**62233.00**
	Basic Rate	77.00							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.2 / km= 33.51	33.51							
		178.51							
	Area Weightage @8%	14.28							
	Total	**192.79**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum							
	Singapura Circle to Abigere Main Road for new Drain		1	233.00	1.00	0.15	34.95		
	Desilting of Existin SSM Drain		2	120.00	0.60	0.15	21.60		
							56.55	5070.60	**286742.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
3	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25 / Item No. 5.27 / PWD SR 2015-16**	Sqm							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	For Raising Existing SSM Drain		2	120.00		0.40	96.00		
							96.00	1018.44	**97770.00**
	Basic Rate	943.00							
	Area Weightage @ 8%	75.44							
	Total	**1018.44**							
4	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2015-16**	Cum							
	For Vent to Existing SSM Drain		1	120.00	0.60	0.10	7.20		
	For Coping to Existing SSM Drain		2	120.00	0.20	0.10	4.80		
							12.00	5490.72	**65889.00**
	Basic Rate	5084.00							
	Area Weightage @ 8%	406.72							
	Total	**5490.72**							
6	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2015-16**	Cum							
	For New CC Drain Bottom Concrete		1	233.00	0.90	0.15	31.46		
	Side Wall		2	233.00	0.15	0.90	62.91		
							94.37	6332.04	**597523.00**
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	**6332.04**							
7	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne							
	For Roof, Columns @ 70 Kg / Cum		0.070	94.37			**6.61**	59327.91	**391893.00**
	Revised Basic Rate	54933.25							
	Area Weightage @ 8%	4394.66							
	Total	**59327.91**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2015-16**	Sqm							
	CC Drain Side Wall		4	233.00		0.90	838.80		
							838.80	306.72	**257277.00**
	Basic Rate	284.00							
	Area Weightage @ 8%	22.72							
	Total	**306.72**							
10	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	For Covering Slab over Drain		1	120.00	1.20		144.00		
			1	233.00	1.20		279.60		
							423.60	1760.00	**745536.00**
11	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. **Page No. 25 / Item No. 5.30 / PWD SR 2015-16**	Nos							
			1	353.00			784		
				0.45					
							784	320.76	**251618.00**
	Basic Rate	297.00							
	Area Weightage @8%	23.76							
	Total	**320.76**							
12	KSRB 15.19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughtly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.80 / PWD SR 2015-16**	Sqm							
			1	353.00		0.45	158.85		
							158.85	27.00	**4289.00**
	Basic Rate	25.00							
	Area Weightage @8%	2.00							
	Total	**27.00**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
13	KSRB 15.19.2 : Providing and applying spray painting in two coats (Excluding priming coat) over concrete / masonry / asbestos cement sheet / / plastered surfaces with lat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.81 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No. 12				158.85		
							158.85	68.04	**10808.00**
	Basic Rate	63.00							
	Area Weightage @8%	5.04							
	Total	**68.04**							
	Sub Total								**2771578.00**
	Third Party inspection Charges @ 1%								**27716.00**
	Miscellaneous and other Charges	L/S							**706.00**
								Total	**2800000.00**
Rupees Twenty Eight Lakh(s) Only									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

24/12

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

24/12

Administrative Approval
Accorded For 28.00 lakhs.
Head of A/C P-3167
CER NO : 73 Dt: 31/12/16

TA CE (YNK)

/ Technical Sanction
Accorded For 28.00 lakhs.
Head of A/C P-3167
CER NO : 84 Dt: 31/12/16

TA CE (YNK)